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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Hiroaki INOUE, et al.

Docket No: Q80602

Appln. No.: 10/807,168

Group Art Unit: 2184

Confirmation No.: 6480

Examiner: Not Yet Assigned

Filed: March 24, 2004

For: PARALLEL PROCESSING SYSTEM BY OS FOR SINGLE PROCESSORS AND
PARALLEL PROCESSING PROGRAM

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Japanese Patent Application Publication No. 5-216851, published August 27, 1993. (with English Abstract)
2. Japanese Patent Application Publication No. 11-306038, published November 5, 1999. (previously submitted with Information Disclosure Statement filed February 10, 2006)
3. Japanese Patent Application Publication No. 5-324574, published December 7, 1993. (with English Abstract)

One copy of each of the listed documents is submitted herewith except for those indicated as being previously submitted.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits

INFORMATION DISCLOSURE STATEMENT

U.S. Appln. No.: 10/807,168

Attorney Docket: Q80602

(whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under § 1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a corresponding Japanese Office Action dated September 22, 2006 and an English translation of the pertinent portions thereof which cites such documents and indicates the degree of relevance found by the foreign office.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Respectfully submitted,



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Date: November 6, 2006

Substitute for Form 1449 A & B/PTO

Complete if Known

Application Number	10/807,168
Confirmation Number	6480
Filing Date	March 24, 2004
First Named Inventor	Hiroaki INOUE
Art Unit	2184
Examiner Name	Not Yet Assigned
Attorney Docket Number	Q80602

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	5-216851	A	08-27-1993	Cray Res Inc.	
		JP	11-306038	A	11-05-1999	Sony Corp.	
		JP	5-324574	A	12-07-1993	Fujitsu Ltd., et al	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.

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(Regarding reason 3)

Claims: 1 through 10, 18 through 31, and 36 through 42

Cited literature: 1 and 2

Remarks:

Cited literature 1 describes an invention wherein a master process (CPU on which the master process is running; equivalent to the “first processor group” of the present application) wakes up a slave process (CPU on which the slave process is running; equivalent to the “second processor group” of the present application) through the operation of a multiprocessing library (equivalent to the “inter-process communication means” and “parallel processing means” of the present application), and parallel processing is carried out by the awoken slave process. Furthermore, the “multiprocessing library” of the invention described in cited literature 1 performs system calls in order to perform inter-process communication (paragraph (0020)).

Cited literature 2 describes an invention wherein, in a multiprocessor system in which the same OS is installed as in single processor systems, child tasks spawned by a main program are synchronously executed in parallel on another processor (see especially paragraphs (0010) through (0016)). Applying this configuration to the invention described in cited literature 1 is a matter which could be easily accomplished by a person skilled in the art.

Claims: 11 through 17 and 32 through 35

Cited literature: 1 through 3

Remarks:

Cited literature 1 describes a “conduit” as an arrangement equivalent to the “control processing relay means (function)” of the present invention.

Furthermore, cited literature 3 describes an “extended OS” and “inter-processor communication control unit” as arrangements equivalent to the “OS service means (function)” and “proxy means (function)” of the present invention.

Reason for making this the final notification of reasons for rejection

This notification of reasons for rejection provides notification only of reasons for rejection whereof notification became necessary due to amendments made in responding to the initial notification of reasons for rejection.

If any reasons for rejection are newly discovered, a notification of reasons for rejection will be issued.

List of cited literature

1. Japanese Unexamined Patent Application Publication H5-216851
2. Japanese Unexamined Patent Application Publication H11-306038
3. Japanese Unexamined Patent Application Publication H5-324574